

07/18 #10



OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/086,738A

DATE: 07/25/2002
 TIME: 08:53:12

Input Set : A:\P22042.ST25.txt
 Output Set: N:\CRF3\07252002\J086738A.raw

ENTERED

3 <110> APPLICANT: MIYAWAKI, Atsushi
 4 NAGAI, Takeharu
 6 <120> TITLE OF INVENTION: A Fluorescent Protein
 8 <130> FILE REFERENCE: P22042
 10 <140> CURRENT APPLICATION NUMBER: US 10/086,738A
 C--> 11 <141> CURRENT FILING DATE: 2002-07-12
 13 <150> PRIOR APPLICATION NUMBER: PCT/JP05/98922001
 14 <151> PRIOR FILING DATE: 2001-03-05
 16 <160> NUMBER OF SEQ ID NOS: 5
 18 <170> SOFTWARE: PatentIn version 3.0
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 1278
 22 <212> TYPE: DNA
 C--> 23 <213> ORGANISM: Artificial
 25 <220> FEATURE:
 26 <223> OTHER INFORMATION: Construct from several species
 28 <400> SEQUENCE: 1
 29 atgaagaggc gctggaagaa aaacttcatt gccgtcagcg ctgccaaaccg gttcaagaag 60
 31 atctccagct ccggggcact ggggtctgca ggctacaaca gccacaacgt ctatatcatg 120
 33 gccgacaagc agaagaacgg catcaaggcc aaacttcaaga tccgccacaa catcgaggac 180
 35 ggcgggcgtgc agctcgcgca ccactaccag cagaacaccc ccacgcgcga cggccccgtg 240
 37 ctgctgcccc acaaccacta cctgagccac cagtccgccc tgagcaaaga cccaacagag 300
 39 aagcgcgac acatggctct gctggagttc gtgaccgcg ccgggatcac tctcggcattg 360
 41 gacgagctgt acaaggggtg cagcgggtggc atggtgagca agggcgagga gctgttcacc 420
 43 ggggtggtgc ccacctcgtg cgagctggac ggcgacgtaa acggccacaa gttcagcgtg 480
 45 tccggcgagg gcgagggcga tgccacctac ggcaagctga cctgaagtt catctgcacc 540
 47 accggcaagc tgcccgtgcc ctggcccacc ctcgtgacca ccttcggcta cggcctgaag 600
 49 tgcttcgccc gctaccccga ccacatgaag cagcacgact tcttcaagtc cgccatgccc 660
 51 gaaggtacg tccaggagcg caccatcttc ttcaaggacg acggcaacta caagaccgcg 720
 53 gccgaggtga agttcgagg cgacacctg gtgaaccgca tcgagctgaa gggcatcgac 780
 55 ttcaaggagg acggcaacat cctggggcac aagctggagt acaacgttac cggggaccaa 840
 57 ctgacagaag agcagattgc agagttcaaa gaagccttct cattattcga caaggatggg 900
 59 gacggcacca tcaccacaaa ggaacttggc accgttatga ggtcgcttg acaaaaccca 960
 61 acggaagcag aattgcagga tatgatcaat gaagtcgatg ctgatggcaa tggaacgatt 1020
 63 tactttcctg aatttcttac tatgatggct agaaaaatga aggacacaga cagcgaagag 1080
 65 gaaatccgag aagcattccg tgtttttgac aaggatggga acggctacat cagcgctgct 1140
 67 cagttacgtc acgtcatgac aaacctcggg gagaagttaa cagatgaaga agttgatgaa 1200
 69 atgataaggg aagcagatat cgatggtgat ggccaagtaa actatgaaga gtttgtacaa 1260
 71 atgatgacag caaagtaa
 74 <210> SEQ ID NO: 2
 75 <211> LENGTH: 1284
 76 <212> TYPE: DNA
 C--> 77 <213> ORGANISM: Artificial

RAW SEQUENCE LISTING

DATE: 07/25/2002

PATENT APPLICATION: US/10/086,738A

TIME: 08:53:12

Input Set : A:\P22042.ST25.txt

Output Set : N:\CRF3\07252002\J086738A.raw

79 <220> FEATURE:

80 <223> OTHER INFORMATION: Construct from several species

82 <400> SEQUENCE: 2

```

83 atgaagaggc gctggaagaa aaacttcatt gccgtcagcg ctgccaaccg gttcaagaag      60
85 atctccagct ccggggcact ggggtctgca ggctacaaca gcgacaacgt ctatatcatg      120
87 gccgacaagc agaagaacgg catcaaggcc aacttcaaga tccgccacaa catcgaggac      180
89 ggcggcgtgc agctcgccga ccactaccag cagaacaccc ccacggcga cggccccgtg      240
91 ctgctgcccg acaaccacta cctgagcttc cagtccgccc tgagcaaaga cccaacgag      300
93 aagcgcgatc acatggtcct gctggagttc gtgaccgccc ccgggatcac tctcggcag      360
95 gacgagctgt acaaggtcga cgggtggcagc ggtggcaccg gtgtgagcaa gggcgaggag      420
97 ctgttcaccg ggggtggtgcc catcctggtc gagctggacg gcgacgtaaa cggccacaag      480
99 ttcagcgtgt ccggcgaggg cgagggcgat gccacctacg gcaagctgac cctgaagctc      540
101 atctgcacca ccggcaagct gcccggtgccc tggcccaccc tcgtgaccac cttcggtac      600
103 ggcctgaagt gtttcgcccg ctaccccgac cacatgaagc agcacgactt cttcaagtcc      660
105 gccatgcccg aaggctacgt ccaggagcgc accatcttct tcaaggacga cggcaactac      720
107 aagaccgcgc ccgaggtgaa gttcgagggc gacaccctgg tgaaccgcat cgagctgaag      780
109 ggcacgcact tcaaggagga cggcaacatc ctggggcaca agctggagta caacggtacc      840
111 gaccaactga cagaagagca gattgcagag ttcaaagaag cttcttcatt attcgacaag      900
113 gatggggacg gcaccatcac cacaaggaa cttggcaccg ttatgaggtc gcttgacaa      960
115 aaccaaacgg aagcagaatt gcaggatatg atcaatgaag tcgatgctga tggcaatgga      1020
117 acgatttact ttctgaatt tcttactatg atggctagaa aaatgaagga cacagacagc      1080
119 gaagaggaaa tccgagaagc attccgtgtt ttgacaagg atgggaacgg ctacatcagc      1140
121 gctgctcagt tacgtcacgt catgacaaac ctgggggaga agttaacaga tgaagaagtt      1200
123 gatgaaatga taagggaagc agatatcgat ggtgatggcc aagtaaacta tgaagagttt      1260
125 gtacaaatga tgacagcaaa gtaa
128 <210> SEQ ID NO: 3
129 <211> LENGTH: 1284
130 <212> TYPE: DNA

```

C--> 131 <213> ORGANISM: Artificial

133 <220> FEATURE:

134 <223> OTHER INFORMATION: Construct from several species

136 <400> SEQUENCE: 3

```

137 atgaagaggc gctggaagaa aaacttcatt gccgtcagcg ctgccaaccg gttcaagaag      60
139 atctccagct ccggggcact ggggtctgca ggctacaaca gcgacaacgt ctatatcatg      120
141 gccgacaagc agaagaacgg catcaaggcc aacttcaaga tccgccacaa catcgaggac      180
143 ggcggcgtgc agctcgccga ccactaccag cagaacaccc ccacggcga cggccccgtg      240
145 ctgctgcccg acaaccacta cctgagcttc cagtccgccc tgagcaaaga cccaacgag      300
147 aagcgcgatc acatggtcct gctggagttc gtgaccgccc ccgggatcac tctcggcag      360
149 gacgagctgt acaaggtcga cgggtggcagc ggtggcaccg gtgtgagcaa gggcgaggag      420
151 ctgttcaccg ggggtggtgcc catcctggtc gagctggacg gcgacgtaaa cggccacaag      480
153 ttcagcgtgt ccggcgaggg cgagggcgat gccacctacg gcaagctgac cctgaagctc      540
155 atctgcacca ccggcaagct gcccggtgccc tggcccaccc tcgtgaccac cttcggtac      600
157 ggcctgaagt gtttcgcccg ctaccccgac cacatgaagc agcacgactt cttcaagtcc      660
159 gccatgcccg aaggctacgt ccaggagcgc accatcttct tcaaggacga cggcaactac      720
161 aagaccgcgc ccgaggtgaa gttcgagggc gacaccctgg tgaaccgcat cgagctgaag      780
163 ggcacgcact tcaaggagga cggcaacatc ctggggcaca agctggagta caacggtacc      840
165 gaccaactga cagaagagca gattgcagag ttcaaagaag cttcttcatt attcgacaag      900
167 gatggggacg gcaccatcac cacaaggaa cttggcaccg ttatgaggtc gcttgacaa      960
169 aaccaaacgg aagcagaatt gcaggatatg atcaatgaag tcgatgctga tggcaatgga      1020

```

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/086,738A

DATE: 07/25/2002
 TIME: 08:53:12

Input Set : A:\P22042.ST25.txt
 Output Set: N:\CRF3\07252002\J086738A.raw

```

171 acgatttact ttcctgaatt tottactatg atggctagaa aaatgaagga cacagacagc 1080
173 gaagaggaaa tccgagaagc attccgtggt ttgacaagg atgggaacgg ctacatcagc 1140
175 gctgctcagt tacgtcacgt catgacaaac ctgggggaga agttaacaga tgaagaagtt 1200
177 gatgaaatga taagggaagc agatatcgat ggtgatggcc aagtaaacta tgaagagttt 1260
179 gtacaaatga tgacagcaaa gtaa 1284
182 <210> SEQ ID NO: 4
183 <211> LENGTH: 5
184 <212> TYPE: PRT
C--> 185 <213> ORGANISM: Artificial
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Linker Peptide
190 <400> SEQUENCE: 4
192 Gly Gly Ser Gly Gly
193 1 5
195 <210> SEQ ID NO: 5
196 <211> LENGTH: 9
197 <212> TYPE: PRT
C--> 198 <213> ORGANISM: Artificial
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Linker Peptide
203 <400> SEQUENCE: 5
205 Val Asp Gly Gly Ser Gly Gly Thr Gly
206 1 5

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/086,738A

DATE: 07/25/2002

TIME: 08:53:13

Input Set : A:\P22042.ST25.txt

Output Set: N:\CRF3\07252002\J086738A.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:23 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:77 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:131 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:185 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:198 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5